



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPI024N06N3 G	<b>Issued</b>	24. February 2022
<b>MA#</b>	MA005701045		
<b>Package</b>	PG-TO262-3-1	<b>Weight*</b>	1574.94 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	10.427	0.66	0.66	6621	6621
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	iron	7439-89-6	0.851	0.05		540	
	non noble metal	copper	7440-50-8	849.682	53.96	54.03	539502	540204
wire	non noble metal	aluminium	7429-90-5	12.613	0.80	0.80	8009	8009
encapsulation	organic material	carbon black	1333-86-4	5.746	0.36		3648	
	plastics	epoxy resin	-	109.174	6.93		69319	
	inorganic material	silicondioxide	60676-86-0	459.680	29.19	36.48	291871	364838
leadfinish	non noble metal	tin	7440-31-5	15.198	0.96	0.96	9650	9650
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	145	146
solder	non noble metal	antimony	7440-36-0	0.474	0.03		301	
	noble metal	silver	7440-22-4	1.184	0.08		752	
	non noble metal	tin	7440-31-5	3.078	0.20	0.31	1954	3007
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.74	6.75	67437	67525
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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